

MEGLUDOT

(Flunixin Meglumine Injection (USP 83.3 mg ≈ 50 mg Flunixin) — Veterinary Use)

Description

Flunixin Meglumine is a potent **non-steroidal anti-inflammatory drug (NSAID)** used for the **management of inflammation, pain, and fever** in animals. It acts by inhibiting the cyclooxygenase enzyme (COX), reducing prostaglandin synthesis and providing **rapid symptomatic relief**. This formulation delivers **Flunixin 50 mg per mL**, suitable for both large and small animals, packed in **20 ml and 100 ml sterile vials** for multiple dosing flexibility.

Composition (per mL)

- **Flunixin Meglumine** – 83.3 mg
- *Equivalent to Flunixin* – 50 mg
- **Benzyl Alcohol I.P.** – Preservative
- **Sterile aqueous base** – q.s. to 1 mL

Category

NSAID – Non-Steroidal Anti-Inflammatory Drug

Used for analgesic, anti-inflammatory, and antipyretic purposes in veterinary medicine.

Specifications

- **Form:** Sterile injectable solution
- **Colour:** Clear to slightly yellow
- **Odour:** Characteristic, mild
- **Sterility:** Conforms to pharmacopeial standards
- **Pack Sizes:** 20 ml & 100 ml amber glass vials
- **Seal:** Rubber stopper with aluminium cap

Indications

- **Inflammation and pain management** in musculoskeletal conditions
- **Pyrexia (fever)** associated with respiratory diseases
- **Colic in horses**
- **Mastitis, endotoxemia, and post-operative pain** in cattle
- **Supportive therapy during infections or injuries**

Dosage & Route of Administration

- **Cattle & Buffaloes:** 1–2 mL/45 kg body weight
- **Horses:** 1.1 mg/kg (1 mL/45 kg) for colic & musculoskeletal pain
- **Pigs:** 2 mg/kg (usually 2 mL/45 kg)
- **Dogs & Cats:** 0.25–0.5 mL/10 kg (with caution)
- **Route:** IV (Intravenous), IM (Intramuscular), or SC (Subcutaneous)
- **Frequency:** Once daily, up to 3 days or as per veterinary advice
- **Available Sizes:** 20 ml & 100 ml multi-dose vials

Product Form

- **Clear, aqueous injectable solution**
- Supplied in **amber glass vials** – 20 ml & 100 ml
- Multi-dose with **preservative (Benzyl Alcohol)**
- Sterile, resealable closure

Usage & Advantages

- **Rapid pain and fever control**
- Effective in **acute inflammation, injuries, infections**
- **Non-sedating** – animal remains alert
- Useful in **pre-surgical and post-surgical pain management**
- Compatible with **antibiotics and other supportive therapies**

Adverse Effects

- Injection site swelling or irritation (rare)
- Long-term use may lead to **GI ulceration or renal effects**
- Avoid in animals with **existing renal, hepatic, or GI disorders**
- Use cautiously in **pregnant or lactating animals** under veterinary supervision

Withdrawal Period

- **Meat:** 4 days
- **Milk:** 24 hours

Always follow local regulations and vet direction

Storage & Handling

- Store below **25°C**, in a dry, dark place
- Do not freeze
- Use sterile syringe for each withdrawal
- Shake well if separation is observed
- Keep tightly sealed after each use

Precautions

- **Veterinary use only**
- Not for human use
- Do not exceed recommended dose
- Do not mix with other injectables in same syringe unless advised
- Use under **registered veterinarian supervision only**

HS and HSN Codes

- **HS Code:** 30049099
- **HSN Code:** 3004

Human & Veterinary Application

- Strictly for **veterinary application**
- In case of accidental human contact or injection – **seek medical attention immediately**
- Handle with gloves if possible; wash thoroughly after handling

Frequently Asked Questions (FAQs)

- **Q1: What is Flunixin Meglumine used for?**
It's used to reduce **pain, inflammation, and fever** in animals – especially during infections, colic, mastitis, and surgeries.
- **Q2: Can it be used in lactating animals?**
Yes, but under supervision. Follow **milk withdrawal period** strictly (24 hrs).
- **Q3: What's the route of administration?**
Usually **IV or IM** depending on species. SC may be used in some animals.
- **Q4: Can it be given with antibiotics?**
Yes! It's often combined with **antibiotics** for better comfort during infections.
- **Q5: Is it safe for dogs and cats?**
It can be, but **must be used carefully** with exact weight-based dosing. Always consult a vet.

